

NO:24, or (ii) a variant protein having an amino acid sequence identity of at least 80% to at least one of said isolated proteins, or (iii) a peptide or protein which consists of an amino acid sequence which is a subsequence of at least one of said isolated proteins. said variant protein or subsequence comprising at least one epitope of at least one of said isolated proteins.

D3 7 (amended). A diagnostic kit for the diagnosis of infection of a mammal with *Chlamydia pneumoniae*, said kit comprising a peptide or protein of claim 5.

D4 10 (amended). A composition for immunising a mammal against *Chlamydia pneumoniae*, said composition comprising a peptide or protein of claim 5.

Please add the following new claim:

D5 18 (new). Species specific method for identifying infection of a mammal with *Chlamydia pneumoniae*, said method comprising
(a) obtaining a sample of a biological fluid or tissue from a mammal suspected of being infected with *Chlamydia pneumoniae*,
(b) contacting said sample with a diagnostic reagent, said reagent comprising an isolated protein according to claim 1 in labeled or immobilized form, and
(c) correlating the binding of said protein with a component of said sample to the presence or absence of an infection.

REMARKS

1. General Matters (OA §§ 1-10)

1.1. Withdrawn claims 1-4, 6, 8, 9, 11, 13 and 15-17 are retained, pending a decision by applicant as to whether to petition for review of the restriction requirement.